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The Teachers College Bulletin

Number 111

January 1, 1931

Eastern Illinois State Teachers College

at

CHARLESTON

A Teachers College, Class A, in the American
Association of Teachers Colleges

A College, First List, in the North Central Association
of Colleges and Secondary Schools

ANNOUNCEMENT OF THE
SUMMER QUARTER
TWELVE WEEKS
1931

Summer Quarter:

First Six Weeks, June 6—July 17

Second Six Weeks, July 20—August 28

The Teachers College Bulletin

PUBLISHED QUARTERLY BY THE EASTERN ILLINOIS
STATE TEACHERS COLLEGE

Entered March 5, 1902, as second class matter, at the postoffice at
Charleston, Ill. Act of Congress, July 16, 1894.

NO. 111

CHARLESTON, ILLINOIS

January 1, 1931

ANNOUNCEMENT OF THE SUMMER QUARTER TWELVE WEEKS 1931

A Teachers College, Class A, in the American Association
of Teachers Colleges

A College, First List, in the North Central Association of
Colleges and Secondary Schools

SUMMER QUARTER

FIRST SIX WEEKS, JUNE 6—JULY 17

SECOND SIX WEEKS, JULY 20—AUGUST 28

Eastern Illinois State Teachers College at Charleston
(Printed by authority of the State of Illinois)

THE COLLEGE CALENDAR

1931

SUMMER QUARTER, 1931 (TWELVE WEEKS)

First Six Weeks

Saturday, June 6, and
Monday, June 8, 1931.....Registration
8:00-12:00 A. M.—1:30-5:00 P. M.
Friday, July 17, 12:10 Noon...First Half of the Summer Quarter Closes

Second Six Weeks

Monday, July 20, 8:00 A. M.....Registration
Friday, August 28, 12:10 Noon...2nd Half of the Summer Quarter Closes

FALL QUARTER, 1931-1932

Saturday, September 12, and
Monday, September 14, 1931.....Registration

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STATE OF ILLINOIS
DEPARTMENT OF REGISTRATION
AND EDUCATION

THE NORMAL SCHOOL BOARD

EX-OFFICIO MEMBERS

MICHAEL F. WALSH, Director of Registration and Education,
Springfield, *Chairman*

FRANCIS G. BLAIR, Superintendent of Public Instruction,
Springfield, *Secretary*

APPOINTED MEMBERS

1925-1931

FRANK M. HEWITT, Carbondale
N. M. MASON, Oglesby
MISS HARRIETT A. MCINTYRE, Mendota

1927-1933

EDGAR B. STILL, DeKalb
MRS. M. K. NORTHAM, Evanston
CHARLES E. McMORRIS, Marshall

1929-1935

MRS. G. W. T. REYNOLDS, East St. Louis
ALBERT E. BAILEY, Macomb

1929—

ERNEST E. COLE, Chicago
(Died February 13, 1931)

Under the provisions of the Civil Administrative Code for the consolidation of State agencies under the direction of the Governor, the five State Normal Schools of Illinois are controlled by a single board consisting of eleven members: The Director of Registration and Education, who is *ex-officio* chairman, the Superintendent of Public Instruction, who is *ex-officio* secretary, and nine members appointed by the Governor for terms of six years.

THE FACULTY

FIRST HALF OF SUMMER QUARTER, 1931

Livingston C. Lord.....	President
A. M., Harvard University; LL. D., University of Illinois	
E. H. Taylor.....	Mathematics
A. M., Ph. D., Harvard University	
Friederich Koch	Music
Conservatory of Music, Kassel, Germany	
Ellen A. Ford	Dean
A. B., A. M., Syracuse University	
Annie L. Weller.....	Geography
B. S., The University of Chicago	
Isabel McKinney	English
A. B., The University of Chicago; A. M., Columbia University	
S. E. Thomas	History and Government
Ph. B., Upper Iowa University; A. M., University of Iowa	
Edith E. Ragan.....	English
Indiana State Normal School	
Charles P. Lantz	Physical Education
B. S., Gettysburg College	
Howard DeF. Widger.....	English
A. B., Yale University; A. M., University of Illinois	
Fiske Allen.....	Director of Training School
A. B., Indiana University; A. M., Columbia University	
Lawrence F. Ashley	Manual Arts
B. S., The Stout Institute	
Lena B. Ellington	History
A. B., Mississippi State College for Women; A. M., Columbia University	
Charles S. Spooner.....	Zoology
A. B., Cornell University; A. M., University of Illinois	
Grace E. Messer	Fine and Applied Arts
Potsdam Normal School; Syracuse University	
Orra E. Neal	English
Battle Creek College	
Wayne P. Hughes	Manual Arts
The Stout Institute	
Ernest L. Stover	Botany
B. S., M. S., Ohio State University; Ph. D., The University of Chicago	
Ora L. Railsback	Physics
A. B., A. M., Indiana University	
Charles H. Coleman	History
A. B., George Washington University; A. M., Columbia University	
Ruth Hostetler	Mathematics
B. S., The University of Chicago	
Frank A. Beu	Education
A. B., A. M., Northwestern University	
Hallie B. Whitesel.....	Fine and Applied Arts
B. Ed., Eastern Illinois State Teachers College	
Emily R. Orcutt	English
Ph. B., A. M., The University of Chicago	
Laura J. Parker.....	English
Ph. B., A. M., University of Vermont	
Walter M. Scruggs.....	Biological Science
B. Ed., Eastern Illinois State Teachers College	
Franklyn L. Andrews	English
Ph. B., The University of Chicago; A. M., University of Illinois	

Irene K. Braun.....Home Economics
 B. S., The Stout Institute
 Ruth E. Dunlap.....Art
 B. Design, University of Kansas
 Beth M. Kassabaum.....Penmanship
 Eau Claire State Teachers College
 Russell H. Landis.....Manual Arts
 B. S., The Stout Institute
 Earl R. K. Daniels.....English
 A. B., Clark College; A. M., The University of Chicago; Ph. D.,
 Harvard University
 Helen Fern Daringer.....English
 A. M., Ph. D., Columbia University
 June J. Ashley.....Manual Arts
 Indiana State Normal School
 R. J. Seymour.....Physiology and Hygiene
 M. D., Ohio State University
 Charles McIntosh.....Rural Education
 Superintendent of Piatt County Schools
 Bernice Dunn.....Recreation Director
 A. B., University of Nebraska
 Ica Marks.....Laboratory Assistant
 B. Ed., Eastern Illinois State Teachers College; M. S., Ohio State
 University
 Edwin T. Sheppard.....Education
 A. B., Iowa State Teachers College; A. M., The University of
 Chicago
 J. H. Gore.....Education
 A. M., The University of Chicago
 Kathryn More.....School Music
 B. S., Northwestern University
 Margaret Means.....Geography
 B. Ed., Illinois State Normal University; A. M., Clark University
 Ethel S. Bugbee.....Education
 M. A., University of Iowa
 Otis Keeler.....Education
 B. S., M. S., University of Illinois
 Mary C. Griswold.....Training Teacher, Sixth Grade
 Eastern Illinois State Teachers College
 Nina F. Arnold.....Training Teacher, Fifth Grade
 Winona State Teachers College
 Myrtle Arnold.....Training Teacher, Fourth Grade
 B. S., University of Minnesota
 Leila M. Armstrong.....Training Teacher, Third Grade
 B. Ed., Eastern Illinois State Teachers College
 Grace Geddes.....Training Teacher, Second Grade
 Eastern Illinois State Teachers College; Columbia University
 Anna H. Morse.....Training Teacher, First Grade
 Illinois State Normal University; Columbia University
 Mary J. Booth.....Librarian
 A. B., Beloit College; B. L. S., University of Illinois
 May Smith.....Assistant Librarian
 B. S., University of Illinois
 Hazel I. Hicks.....Assistant Librarian
 Eastern Illinois State Teachers College
 Student Assistant Librarian
 Student Assistant Librarian
 Student Assistant Librarian
 Student Assistant Librarian
 Ruth B. Dunn.....Secretary and Business Manager
 B. A., Wellesley College; A. M., The University of Chicago
 Blanche C. Thomas.....Registrar
 Eleanor F. Hammond.....Stenographer
 Edith C. Willson.....Stenographer
 Agnes M. Dunkin.....Stenographer
 Carol L. Besteland.....Head of Pemberton Hall
 Mary E. Thompson.....Nurse
 St. John's Hospital, Fargo, N. D.
 Walter H. Nehrling.....Superintendent of Grounds
 Missouri Botanical Gardens

THE FACULTY

SECOND HALF OF SUMMER QUARTER, 1931

Albert B. Crowe	Hygiene
A. M., Hanover College	
Charles P. Lantz	Arithmetic
B. S., Gettysburg College	
Howard DeF. Widger	English
A. B., Yale University; A. M., University of Illinois	
Fiske Allen	Education
A. B., Indiana University; A. M., Columbia University	
Lawrence F. Ashley	Manual Arts
B. S., The Stout Institute	
Charles S. Spooner	Zoology
A. B., Cornell University; A. M., University of Illinois	
Wayne P. Hughes	Manual Arts
The Stout Institute	
Dorothy H. Moore.....	Fine and Applied Arts
The Chicago School of Applied and Normal Art	
Ora L. Railsback	Algebra and Physics
A. B., A. M., Indiana University	
Charles H. Coleman	Social Science
A. B., George Washington University; A. M., Columbia University	
Frank A. Beu.....	Education
A. B., A. M., Northwestern University	
Glenn H. Seymour	Social Science
A. B., A. M., Ph. D., University of Illinois	
Walter M. Scruggs.....	Biological Science
B. Ed., Eastern Illinois State Teachers College	
Rose Zeller	Geography
B. Ed., Illinois State Normal University; A. M., Clark University	
June J. Ashley	Manual Arts
Indiana State Normal School	
Otis Keeler	Education
B. S., M. S., University of Illinois	
Edwin T. Sheppard	Education
A. B., Iowa State Teachers College; A. M., The University of Chicago	
Ica Marks	Botany
B. Ed., Eastern Illinois State Teachers College; M. S., Ohio State University	
Earl R. K. Daniels.....	English
A. B., Clark College; A. M., The University of Chicago; Ph. D., Harvard University	
Bertha M. Albert	English
B. Ed., Eastern Illinois State Teachers College	
Hazel I. Hicks.....	Librarian
Eastern Illinois State Teachers College	
Louise K. Stillions.....	Student Assistant Librarian
Note: Chapel exercises were held only once a week in the second summer term, 1930. No name for chapel music appears on this list.	

THE SUMMER QUARTER

GENERAL INFORMATION

Purpose and Plan.—The summer quarter of the Eastern Illinois State Teachers College at Charleston begins on Saturday, June 6. The first half closes on Friday, July 17. The second half begins on Monday, July 20, and closes on Friday, August 28. Provision has been made to meet the needs of three classes of students:

1. Graduates of recognized four-year high schools who wish to begin preparation for teaching.

2. Sophomores who wish to earn requirements for the limited elementary certificate; or to work toward the degree and the high school, the special, the supervisory, or the life elementary certificate.

3. Juniors or seniors who wish to continue work toward the degree and the high school, the special, the supervisory, or the life elementary certificate. Graduates of the Junior College are included in this group.

Note.—Under "Summer School Programme," schedules for each of these groups are discussed. The student should make his schedule not for one summer alone, but for the summers and the year or years needed to reach his objective.

Admission.—Graduates of recognized four-year high schools and holders of teachers' certificates are admitted to the summer quarter. Enrollment of students begins at eight o'clock, Saturday morning, June 6, and continues through Monday, June 8. Class work begins Tuesday morning, June 9, at a quarter past seven o'clock. Enrollment for the second half begins at eight o'clock, Monday morning, July 20. Class work begins Tuesday, July 21.

High school or other college records must be sent to the Registrar before the opening of the summer term.

Credit.—The unit of measure, beginning with the year 1929-30, is the quarter hour, representing one hour a week of prepared work for twelve weeks when the student load of prepared work is sixteen hours a week. It is equivalent to two-thirds of a semester hour.

A year's work is equivalent to forty-eight quarter hours (thirty-two semester hours) of prepared work. A year's work in one subject is equivalent to twelve quarter hours (eight semester hours).

A Teachers College "credit" is equivalent to four quarter hours.

Credit earned in piano, voice, physical education, library use, dramatics, College News, glee club, quartette, orchestra, or band is in excess of the ninety-six quarter hours required for a diploma and of the 192 quarter hours required for a degree.

The credit is recorded on the student's permanent record card and may play an important part when he is an applicant for a position.

A statement of the amount of credit is included in the description of each course.

Regular work for each six weeks gives eight quarter hours credit. Students with B average may register for a maximum of ten quarter hours of credit toward graduation.

Numbering of Courses.—Courses numbered 20-29 are (with a few exceptions) required in a curriculum in the Junior College; courses numbered 30-39 are elective courses for those in the Junior College; courses numbered 40 or above are Senior College courses.

Expenses.—Tuition is charged for the summer quarter to all who are not to teach in Illinois for a period equal to that covered by their attendance at the Eastern Illinois State Teachers College. This tuition is charged at the rate of \$25.00 a quarter of twelve weeks, or \$12.50 for each six weeks. No tuition is charged for the summer quarter to those who are to teach in Illinois. A registration fee of two dollars for each half term covers all expenses in the zoological, botanical physical, and chemical laboratories, in the library, and in other departments of the school. Students pay for materials used in art, manual training, and home economics. All necessary textbooks are rented to students in the summer quarter for one dollar and fifty cents for each six weeks. Each student pays a recreation fee of one dollar. The fee for instrumental music or for voice lessons is \$5.00 for each six weeks.

An additional fee of one dollar is paid for late registration by every student who does not complete his registration on the day or days appointed for registration; for change of programme after the third day; and for record not clear at the textbook library at the close of the term.

Board and room in Pemberton Hall cost \$7.50 a week; board costs \$5.50 a week. In private families, the cost is about the same. A committee from the faculty and students assists students in selecting boarding places and rooms.

Following is an estimate of expenses for a six weeks' session:

Registration fee	\$ 2.00
Book rent	1.50
Recreation fee	1.00
Board for six weeks.....	33.00
Room rent, six weeks, two in a room, each.....	12.00
Laundry	4.50
Total.....	\$54.00

Registration—Directions for registering on Saturday, June 6, and on Monday, June 8, 1931, 8:00 to 12:00 a. m. and 1:30 to 5:00 p. m.:

1. Arrange for board and room and keep a record of your street and number, your telephone number, and the name of the householder.
2. Pay registration fee (\$2.00), book rent (\$1.50), and recreation fee (\$1.00), or leave scholarship at the cashier's office and pay the recreation fee (\$1.00). Students who enter after Monday, June 8, for the first six weeks or after Monday, July 20, for the second six weeks, pay a fee of \$1.00 for late registration.
3. Go to a faculty adviser and have a programme marked with the courses for which you wish to register.
4. Take the marked programme to the textbook library and receive your books.
5. Report for regular class work beginning at 7:15, Tuesday morning, June 9, for the first six weeks; on Tuesday, July 21, for the second six weeks.
6. Between noon on Tuesday, June 9, and Friday afternoon, June 12 at 4:00 o'clock, go to the textbook library and get your registration blank. There should be no delay in doing this after you are sure your programme is satisfactory to you.
7. Take the blank and your marked programme to the Entrance Hall and fill out the blank in ink, beginning with the back of the blank. Make out a class card for each course.
8. Take the completed blank and cards to a student clerk and wait till they are checked. All blanks and cards must be returned to the registrar not later than the close of school on Friday, June 12.

9. No credit is given for any course for which you have not made out a class card for the registrar. This card is used in reporting your grades at the close of each six weeks.

10. No change of programme should be made after you have completed your registration on Friday, June 12. If any mistake has been made, go to the office with your trial programme and ask to have the mistake corrected.

11. A student may drop a course by handing in at the textbook library a slip with the date, his name, and the hour and name of the course to be dropped. He must at the same time return any textbooks taken out for that course.

12. No other change in programme should be necessary after Friday, June 12.

Announcements.—Morning exercises are held in the assembly hall daily at 9:00 o'clock.

The assembly hall is a study room during all class periods.

Students entering after Monday, June 8, go to the office for a marked programme and permission to register.

Mail is not delivered to students at the school. Students should have their correspondents give street and number in addressing all mail. If a student changes his Charleston address, he should go to the postoffice and file a change of address card. He should give both the old and the new address.

Training School.—Opportunity is offered for observation and practice teaching in the first six grades. It is possible to accept only a few for places in practice teaching in the summer quarter. Preference is given to those whose freshman work has been completed with high standing and to those beginning practice teaching in the last seven weeks of the spring quarter. No student who has failed in practice teaching is permitted to take teaching in the last half of the spring quarter or in the first half of the summer quarter.

Students wishing to take teaching in the summer quarter should apply to the Director of the Training School at least two weeks before the opening of the summer quarter. The Training School is in session in the first six weeks from 9:40 to 12:00.

Students may observe the work of the training teachers at the first period only, beginning at 9:40. No registration is necessary for this.

Pemberton Hall.—Room and board may be secured in Pemberton Hall by one hundred students at \$45.00, and board by about fifty more at \$33.00 for the first six weeks, payable on June 9. Applications for rooms are filed in the order in which they are received. Those desiring rooms should write as early as possible, as the demand may be in excess of the number that can be accommodated.

A deposit of \$5.00 is required for a reservation at Pemberton Hall.

This deposit is credited to the student, but forfeited if the student cancels the reservation too late to have it used by someone else.

Gymnasium.—Adjoining Pemberton Hall is the gymnasium, a well-lighted and ventilated room, equipped with Swedish apparatus, stall-bars, climbing ropes and ladders, horizontal and vertical window ladders, jumping standards, vaulting box and horse, and two Swedish booms. There are separate dressing rooms with private lockers and numerous shower baths. For outdoor work there is a large athletic field with a quarter-mile cinder track and a baseball diamond, field hockey and basketball ground, and several tennis courts. The equipment of the gymnasium and playground will interest teachers of physical education and public school teachers who are seeking knowledge on this subject.

Practical Arts Building.—The Practical Arts Building for manual arts, industrial arts, and home economics has been in use since January, 1929. Space and equipment are provided adequate for training teachers in these fields. Both two-year and four-year curriculums are offered in manual arts. A four-year Smith-Hughes curriculum is offered in home economics.

Laboratories.—The botanical and zoological laboratories offer opportunities for experimental work and for verification of established facts of life. An excellent four-room greenhouse contains many plants of unusual interest and serves, moreover, as an important adjunct to the botanical laboratories. Additional facilities for field observation and for obtaining laboratory materials are offered by a small lake and a forest plantation of six thousand trees, all of which are within five minutes' walk of the biological laboratories. The laboratories for physics and chemistry contain the best of apparatus essential to higher work, as well as many inexpensive and practical devices which can easily be reproduced in the grade or country school. The school has a four-inch equatorial telescope which is of special interest to teachers of geography.

School Garden.—In the school garden small plots of ground are planted and cared for by pupils under the direction of the gardener and the teacher. Connected with the pupils' garden are a model vegetable garden, a rose garden, and a garden for experimentation and exhibition purposes. All of these divisions are used for demonstrating the proper care of plants, the methods of propagation, crop rotation, and some of the principles of plant breeding.

Library.—The library, containing over 36,000 books and pamphlets, is open to all summer school students. During the summer quarter of 1930 books on the following subjects were exhibited:

1. Dramatization.
2. Arithmetic.
3. Books useful to rural school teachers.
4. Readers and reading.
5. Pamphlets on geography.

For those who wish to obtain titles of books suitable to buy for school libraries, lists selected by those familiar with children's books are provided and conferences with the librarian are arranged. An elementary course in the use of the library is offered. Information as to this course is given in the "Description of Courses."

Regular School Year.—The fall quarter of the college year of 1931-1932 will begin Saturday, September 12, at eight o'clock in the morning. A bulletin with full information will be sent to those who are interested.

Organization.—The Teachers College consists of the Junior College and the Senior College, each offering two years of work. Graduation from a recognized four-year high school is required for admission to the Junior College. The work of the Junior College in all two-year curriculums leads to a diploma which gives a limited elementary certificate, valid in the first ten grades of the common schools of the county; and also to a special diploma in English or manual arts in case of students in those curriculums; or it admits the student to the Senior College. The work of the Senior College leads to the degree of Bachelor of Education and aims to prepare high school teachers, principals, supervisors, department teachers, grade teachers, and teachers of special subjects. Ninety-six quarter hours are required for graduation from the Junior College and one hundred ninety-two hours for graduation from the Senior College. In addition to the required number of hours, physical education, penmanship, and work in the use of the library are required.

Curriculums.—I. Two-year curriculums (96 quarter hours) for preparation of teachers for the grades, or of special teachers of English or manual arts.

II. Four-year curriculums (192 quarter hours each) for preparation of primary teachers, grammar grade department teachers, supervisors, high school teachers, and teachers of special subjects. The possibilities in choice of major subjects are: art, English, Latin, geography, history, home economics (Smith-Hughes), manual arts, mathematics, botany, zoology, physics, chemistry.

The Two-Year Diploma Curriculum.—The two-year diploma curriculum for preparation of teachers for the grades is here given by years:

Freshman Year	Sophomore Year
Education 20, 21, 22	Education 23, 24
English 20, 21, 27 (or 24 or 22)	Teaching 20, 21, 22
Arithmetic 20, 21	History (eight quarter hours)
Botany 20, or 21, or Zoology 20	Music 24
Geography 20	Manual Arts 24 or 25 (or Art 36 or 37)
Reading 24	Geography 21 and English 26 (or English 34 and Education 25)
Drawing 24	Hygiene 20
Penmanship 20	Physical Education
Library 20	
Physical Education	

Notes. 1. The completion of this curriculum entitles the student to the diploma of the Junior College and to a limited elementary certificate.

2. Each course has four fifty-minute periods a week unless otherwise indicated by a number in parentheses; but laboratory sciences have six to eight fifty-minute periods; manual arts and home economics require eight periods a week for twelve weeks for full credit.

THE CERTIFICATING LAW

The provisional elementary certificate will not be issued after July 1, 1931.

For the limited elementary certificate the requirement is a Junior College diploma or the equivalent as defined by the Illinois Examining Board.

For the limited supervisory or high school certificate a bachelor's degree is required.

For the life certificate—supervisory, high school, or special—a bachelor's degree with four years of successful teaching is required.

For the life certificate, kindergarten-primary or elementary, the requirement is 90 semester hours with four years of successful teaching.

The certificating law is presented in tabular form on the following page.

THE CERTIFICATING LAW

ESSENTIAL FEATURES PERTAINING TO LIMITED CERTIFICATES PROVIDED FOR IN THE CERTIFICATING LAW
ENACTED BY THE FIFTY-SIXTH GENERAL ASSEMBLY, 1929

Analysis of Main Features of Certificates	NAME OF LIMITED CERTIFICATE				
	Super- visory	High School	Special	Kinder- garten Primary	Elemen- tary
(1)	(2)	(3)	(4)	(5)	(6)
I. Scope of Validity:					
(a) Duration of time.....	4 yr.	4 yr.	4 yr.	4 yr.	4 yr.
(b) General duties permitted.....	Teaching; super- vision	Teaching; super- vision	Teaching; super- vision	Teaching; supervision kinder- garten	Teaching; super- vision
(c) Grades of school system.....	1-12	7-12	1-12	1-2	1-10
II. Requirements for Issue on Credits					
(a) College semester hours.....	120	120	60 ¹	60 ²	60
(b) Semester hours in education.....	15	15	12	Indefinite	10 ³
(c) Teaching experience	4 yr.	0	0	0	0
(d) *Renewal conditions	Success; growth	Success; growth	Success; growth	Success; growth	Success; growth
III. Requirements for Issue by Examination					
(a) College semester hours.....	60	60	30	30 ²	30 ³
(b) Teaching experience	4 yr.	0	0	0	0
(c) Number of subjects written.....	5	10	3 or more	3	18
(d) College semester hours for renewal—					
1. First renewal	90	90	60 ¹	60 ²	60
2. Second renewal	120	120	60 ¹	60 ²	60
3. Third renewal, etc.....	120	120	60 ¹	60 ²	60
IV. *Conditions of Exchange for Life Certificate					
(a) Years of successful experience.....	Super- vision, 4 yr.	4 yr.	4 yr.	4 yr.	4 yr.
(b) College semester hours required.....	120	120	120	90	90
(c) College semester hours in education..	15	Indefinite	Indefinite	Indefinite	Indefinite
(d) Name of certificate received.....	Life super- visory	Life high school	Life special	Life Kinder- garten Primary	Life elemen- tary

¹ 20 hours in each subject named in certificate.

² Kindergarten-primary training.

³ 5 hours in practice teaching.

⁴ Evidence of successful teaching and professional growth are prerequisite to the renewal of all certificates.

⁵ 5 hours in education.

⁶ Life certificate may be obtained by successful examination and preparation of thesis if applicant fails in slight measure to meet hours of training required for exchange of limited certificate.

SUMMER QUARTER PROGRAMME

Summer Quarter, Senior College.—Attention is called to Senior College courses offered in a sequence of three summers in English, history, physiology, botany, zoology, mathematics, physics, art, and home economics.

Sophomore Programmes.—1. Sophomores in the two-year grade curriculum who have begun to teach or who plan to do so in September may complete their work for the Junior College diploma for grade teaching in three successive summer quarters by following these programmes, provided they have B average on the freshman year's work:

I	Summer, 1931	II	I	Summer, 1932	II
Teaching 20a	Hygiene 20		Teaching 21a	Geography 21	
Teaching 20b	Education 23		Teaching 21b		
I Education 24			Music 24a	English 26	
			Music 37a		
I	Summer, 1933		II		
Teaching 22a			Manual Arts 24 (or 25, or Art 36,		
Teaching 22b			or 37)		
History 34 (or 33)			History 35 (or 34)		

2. Sophomores in four-year curriculums who are using summer quarters in order to complete one year's work before returning to college as juniors should have their programmes planned at the office.

Junior Programmes.—1. Graduates of the two-year diploma curriculum who wish to earn one year's credit toward the degree before returning as seniors for their last year's work should have their programmes planned ahead for them at the office.

Since they must satisfy requirements as to major and minor subjects, laboratory science, and required junior and senior work, they must in most curriculums earn more than two years' credit beyond that covered by the Junior College diploma.

2. Juniors in four-year curriculums wishing to earn credit in summer quarters should have their programmes planned at the office.

Programme Notes.—A student may complete eight quarter hours in each six weeks. It is not advisable to register for more than eight quarter hours in six weeks.

Students with B average in their last quarter's work may register for ten quarter hours, the maximum permitted of work counted toward graduation total.

Courses marked with an asterisk are double courses, completing in six weeks the work of twelve weeks. Double courses have two periods a day except on Thursdays and Saturdays, when they omit the second period.

Single period courses omit Friday morning or Saturday afternoon periods.

The periods for science courses are indicated by Arabic numerals following a dash, the numbers showing the days of the week counted from Monday as one.

Students are urged to read carefully the description of a course before deciding to take it.

The Training School is in session from 9:40 to 12:00.

The programme for the second six weeks may be found on the last page of this bulletin.

Courses numbered 20-29 are required in one or more of the curriculums. Courses numbered 30 or above are elective. Courses numbered 40 or above are Senior College courses.

The numbers of courses in the summer bulletin are the same as in the annual catalogue, but the numbers of courses not offered in the regular school year have not been changed to correspond with our present plan for numbering courses. A letter added to the number of a course indicates that the course covers only a part of the course for which the number stands, (a) being the first half, (b) the second half.

DESCRIPTION OF COURSES

ART AND DESIGN

At least one hour's work a day, outside of class, is required in each one-period course in art; two hours outside of class are required in each double period course.

24. Elementary Drawing.—The course includes lettering, composition, free hand perspective, color harmony, and their application in poster work.

24a. First Half of Course 24.—Four hours a week. Two quarter hours.

First six weeks:

Section I, 8:10, Third floor east, Miss Dunlap.

Section II, 9:30, Third floor east, Miss Dunlap.

Second six weeks:

11:20, Third floor east, Mrs. Moore.

24b. Second Half of Course 24.—Prerequisite: Drawing 24a. Four hours a week. Two quarter hours.

First six weeks:

Section I, 10:25, Third floor east, Miss Dunlap.

Section II, 11:20, Third floor east, Miss Dunlap.

Second six weeks:

10:25, Third floor east, Mrs. Moore.

25. Method in Drawing, Grades I-IV.—The course includes a discussion of the value of art education; its relation to other subjects and to industries; methods of teaching drawing in the lower grades; the ordering of supplies; the planning of lessons. Eight hours a week. Four quarter hours.

First six weeks, 1933:

26. Method in Drawing, Grades V-VIII.—A study of the subject matter to be taught in the upper grades. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, Third floor east, Miss Messer.

27. History of Ornament and of Architecture.—Eight hours a week. Four quarter hours.

First six weeks, 1932:

30. Representation.—The study of the essentials of perspective and their application to still life groups in charcoal, crayon, water color, and ink. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 2P, Miss Whitesel.

31. Poster Work.—The study of lettering for commercial and educational uses and for application to book making, bulletins, and posters. The principles of design and color. "Art in Every Day Life" by Goldstein is the text used. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 2P, Miss Whitesel.

Second six weeks, 1932:

32. Design I.—Decorative applications of the principles of design. Eight hours a week. Four quarter hours.

Second six weeks:

8:10 and 9:30, Third floor east, Mrs. Moore.

First six weeks, 1932:

33. Design II.—Plants, animals, and birds in decoration and the application of these forms to the making of patterns. Color theory, leather tooling, wood block printing, and batik work. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, Room 2P, Miss Whitesel.

Second six weeks, 1932:

34. Jewelry.—Design as applied to metal work and to jewelry. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, Room 2P, Miss Whitesel.

35. Pottery.—The application of the principles of design to pottery. Eight hours a week. Four quarter hours.

First six weeks, 1932:

43. Still Life I.—Studies in charcoal, water color, and oil. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Third floor east, Miss Messer.

Second six weeks, 1932:

44. Interior Decoration.—A thorough and practical course in the fundamentals of interior decoration. Emphasis is placed on good color harmony, and the application of the principles of design. The course includes the study of periods and styles of furniture and of materials used in interiors. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Third floor, Miss Messer.

Second six weeks, 1932:

45. Design III.—The application of the principles of design and color to house plans, wall elevations, and rooms in perspective. Eight hours a week. Four quarter hours.

First six weeks, 1932:

Second six weeks:

8:10 and 9:30, Third floor east, Mrs. Moore.

EDUCATION

I. Observation and Methods

Free Observation without Registration, Record, or Credit.—Students may observe the work of the training teachers in the first six grades at the first period only, beginning at 9:40. No registration is necessary since no record of the observation is kept, and no credit allowed.

Students who wish to observe should keep the 9:30 period free.

12. Country-School Teaching.—This course is a careful study of the Illinois State Course of Study. It is given in two parts:

Education 20a (Rural). First Part, Lower Grades.—Four hours a week. Two quarter hours, accepted for Education 20a.

First six weeks:

9:30, Room 37, Mr. McIntosh.

Education 20b (Rural). Second Part, Upper Grades.—Four hours a week. Two quarter hours, accepted for Education 20b.

First six weeks:

10:25, Room 37, Mr. McIntosh.

13. Rural School Management.—The course deals with the organization, supervision, and maintenance of country schools and with the organizations cooperating with these schools. It is given in two parts:

Education 24a (Rural). First Part, The Fundamentals of Rural School Organization and Management.—This part is for rural teachers of little or no experience in teaching. Four hours a week. Two quarter hours as a substitute for Education 24a.

First six weeks:

7:15, Room 37, Mr. McIntosh.

Education 24b (Rural). Second Part, Rural School Problems and Plans of Organization.—This part is for graduates of the two-year grade curriculum or for teachers of four or more years of experience. Four hours a week. Two quarter hours as a substitute for Education 24b.

First six weeks:

8:10, Room 37, Mr. McIntosh.

II. Practice Teaching

20a, 20b, 21a, 21b, 22a, or 22b. **Practice Teaching.**—A limited number of students is admitted to practice teaching in the first six weeks of the summer quarter. See "Training School."

Preference is given to sophomores in the two-year grade curriculum who completed the freshman year with B average.

Students registering for practice teaching should see Mr. Allen on registration day.

III. Education

Note.—Beginning with the fall quarter, 1928-29, a change was made in the content of the three courses in education required of freshmen and then called "Psychology 20, 21, 22." The new courses are now listed as Education 20, 21, 22.

Those who have had the old "Psychology 20" should complete the year's work by taking the new Education 20 and 22. Those who have had the old "Psychology 20, 21" complete the year's work by taking Education 22.

Education 20 (Rural) may be substituted for Education 20, and Education 24 (Rural) for Education 24.

Students who have not had the old "Psychology 20, 21, 22" take the new courses in education listed here as "Education 20, 21, 22."

20. An Introduction to Education.—This course is intended to provide the student with a general view of the more important phases of a teacher's work. The meaning and the interrelation of the following matters form the subject matter of the course: the organization of public education; the teacher's relation to other school officials; school property; the materials of education; methods of using school material; the learning process; qualifications of teachers; the purpose of public education. The succeeding courses in education deal in greater detail with the several topics introduced in this beginning course. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 10, Mr. Sheppard.

21. An Introduction to Educational Psychology.—This course uses the discussion on the learning process of the preceding course as its point of departure and introduces the student to the forms of student behavior by which man adapts himself to the world. The material of the course includes: the physical basis of behavior; the instinctive equipment of man; the emotions; the laws of learning and their economical application; the organization of experiences into percepts and ideas; transfer of training; individual differences, intelligence; the interrelation of various forms of behavior. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 6, Mrs. Bugbee.

Second six weeks:

7:15 and 1:30, Room 10, Mr. Sheppard

22. The Psychology of Elementary School Subjects.—This course makes an analysis of the materials used in elementary education with a view to understanding the learning problems involved. The special psychology of the following subjects is considered: reading, arithmetic, handwriting, spelling, history, geography, nature study, music, drawing. Some attention is given to the diagnosis of special difficulties in these subjects and the appropriate remedial measures. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 10, Mr. Sheppard.

Second six weeks:

7:15 and 1:30, Room 18, Mr. Beu.

23. Principles of Education.—Through discussion of the nature and aims of education, foundations are laid for notions of educational values, selection of the curriculum, methods of teaching, and school administration. Prerequisite: Education 20 and 21, or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 29, Mr. Gore.

Section II, 8:10 and 2:25, Room 29, Mr. Gore.

Second six weeks:

8:10 and 2:25, Room 10, Mr. Sheppard.

24. School Management.—The course is designed primarily for those who have had some experience in teaching and wish to study their problems of class management and instruction. School organization and control, including the making of a programme, discipline, and kindred topics are discussed. Methods for securing study and attention to the recitation and conditions determining desirable class activity are emphasized. Prerequisite: Education 20 and 21, or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15, Room 8T, and 10:25, Room 7T, Mr. Allen.
Section II, 7:15 and 1:30, Room 6, Mrs. Bugbee.

Second six weeks:

7:15 and 10:25, Room 11, Mr. Allen.

44. Educational Measurements.—The aim of this course is to introduce the student to the application of the statistical method to the solution of educational problems; to acquaint him with standardized and proposed tests for measurements of general mental ability and with scales for the measurement of progress of the child in school subjects and for the determination of efficiency of teaching. Opportunity is given for the development through practice of some skill in the application of tests and the employment of scales. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 17, Mr. Keeler.

Second six weeks:

7:15 and 1:30, Room 17, Mr. Keeler.

45. The Psychology of Secondary Education.—The purpose of this course is to trace the psychological principles which are basic to the teaching of high school subjects. General types of learning are discussed, such as: motor learning, association learning, problem-solving, habit-formation. High school subjects are analyzed and the relations of the general types of learning to particular subjects are pointed out. The general organization of the high school as it is determined by the nature of the adolescent student is touched upon. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 18, Mr. Beu.

Second six weeks:

8:10 and 2:25, Room 18, Mr. Beu.

47. Social Psychology.—The chief factors which condition and make possible the life of man in groups; the effect of various types of human association on the mental processes of the individual; the products of the interaction between minds, as in language, art, morals, and social institutions; the differences of important social groups, such as the mob, the gang, clubs, classes, sects, nations, are studied with reference to their bearing upon education. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 18, Mr. Beu.

48. School Organization and Administration.—This is an introductory course for students who desire a knowledge of problems in educational organization, administration, and supervision in the nation, the state, and local units. The first half of the course gives an understanding of the problems of administration to enable all members of an organization to co-operate with those in final administrative authority in the formulation of policies. The second half of the course presents the problems of the elementary and high school principal in organizing and administering schools. School law and

finance as well as current educational problems receive attention in this course. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

9:30 and 10:25, Room 17, Mr. Keeler.

Second six weeks:

9:30 and 10:25, Room 17, Mr. Keeler.

ENGLISH

20. **Composition.**—A practical course, stressing the planning, outlining, and developing of short units, analysis of well-written material, the sentence, and fundamentals of good form in speech and writing.

20a. **The First Half of English 20.**—Four hours a week. Two quarter hours (only when followed by English 20b in the second six weeks, making four quarter hours for the two courses combined.)

First six weeks:

10:25, Room 40, Mr. Andrews.

20b. **The Second Half of English 20.**—In the second six weeks, English 20b is open only to those who complete English 20a in the first six weeks. Prerequisite: English 20a. Four hours a week. Two quarter hours.

Second six weeks:

10:25, Room 24, Miss Albert.

21. **Composition.**—A continuation of English 20, mostly concerned with clear exposition; larger units; some rhetorical theory.

21a. **The First Half of English 21.**—Prerequisite: English 20. Four hours a week. Two quarter hours (only when followed by English 21b, making four quarter hours for the two courses combined.)

First six weeks:

11:20, Room 40, Mr. Andrews.

21b. **The Second Half of English 21.**—Prerequisite: English 21a. Four hours a week. Two quarter hours.

Second six weeks:

9:30, Room 24, Miss Albert.

22a. **Children's Literature.**—The main purpose of Courses 22a and 22b is to give an introduction to the field of literature for the lower grades with something of the purposes and the methods of teaching. In Course 22a, fable, folk-lore, myth, legend, romance are considered. Four hours a week. Two quarter hours.

First six weeks:

Section I, 9:30, Room 32, Miss Parker.

Section II, 11:20, Room 32, Miss Parker.

22b. **Children's Literature.**—See Course 22a. In Course 22b, poetry and modern stories are considered. Four hours a week. Two quarter hours.

First six weeks:

Section I, 8:10, Room 32, Miss Parker.

Section II, 10:25, Room 32, Miss Parker.

Second six weeks:

7:15, Room 27, Mr. Widger.

24. Methods of Teaching Composition in the Grades.—This course covers the teaching of language work and composition in the grades as fully as time permits, including discussion of material, purposes, theme-topics, correcting compositions, and methods of teaching. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 40, Miss Ragan.

25. Introduction to Literature.—The course is designed to give some understanding of the most common types of English literature, including lyric and epic poetry, the essay, the novel, and the short story, through a study of selected masterpieces. Required in all four-year curriculums.

25a. Four hours a week. Two quarter hours.

First six weeks:

8:10, Room 11, Mr. Daniels.

25b. Four hours a week. Two quarter hours.

First six weeks:

9:30, Room 11, Mr. Daniels.

Second six weeks:

10:25, Room 26, Mr. Daniels.

26. English Grammar.—This course attempts to cover the grammar taught in the seventh and eighth years with special emphasis on the sentence. Required in the two-year English curriculum. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 24, Miss Neal.

Section II, 8:10 and 2:25, Room 24, Miss Neal.

Second six weeks:

7:15 and 1:30, Room 24, Miss Albert.

27. Literature.—Intermediate and Upper Grades. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 40, Miss Ragan.

30, 31. Nineteenth Century Prose Fiction.—The primary aim is to arouse the student's interest in the best fiction, and the secondary to furnish him with standards of judgment.

30. Eight hours a week. Four quarter hours.

First six weeks, 1933:

31. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 11, Mr. Daniels.

34. American Literature.—A survey of American literature from the beginning to the present. Eight hours a week. Four quarter hours.

First six weeks, 1932:

36. Shakespeare and the Elizabethan Drama.—A study of Shakespeare's most important plays, and of their place in the development of English drama. Some attention is given to the chief dramatists contemporary with Shakespeare. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, Room 23, Miss McKinney.

37. Modern Drama.—The purpose of this course is to familiarize the student with what is best in modern drama. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 27, Mr. Widger.

39. Dramatics.—A study of the presentation of plays, including the reading of contemporary dramas, the production of at least one play, and the dramatization of an episode or a short story. Some instruction in the coaching of plays is given. Accepted for English 37. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 30, Miss Orcutt.

43. Contemporary Literature.—Extensive reading in current literature introduces the student to the best that is being written today, and provides him with some standards of judgment with the hope of stimulating his enthusiasm for good books.

43a. Prose.—Prerequisite: Junior College required English. Four hours a week. Two quarter hours.

First six weeks:

8:10, Room 39, Miss Daringer.

43b. Poetry.—Prerequisite: Junior College required English. Four hours a week. Two quarter hours.

First six weeks:

2:25, Room 39, Miss Daringer.

44a (or b). Advanced Rhetoric.—Chiefly written composition, applying the principles of organization and effective expression to somewhat more extended material than do English 20 and 21. The course is intended to give both an introduction to the methods of research, and opportunity for original work. Prerequisite: Junior College required English. Four hours a week. Two quarter hours for a or b. Four quarter hours for a and b for the quarter (12 weeks).

First six weeks:

9:30, Room 40, Mr. Andrews.

Second six weeks:

11:20, Room 26, Mr. Daniels.

45. Oral English.—Through prepared talks and discussions, this course gives training in the effective expression of genuine ideas and opinions. Sincerity, adequate development of thought, the proper use of facts and evidence, and also the principles and practice of good delivery are stressed. Prerequisite: Junior College required English. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 27, Mr. Widger.

Second six weeks:

10:25 and 11:20, Room 27, Mr. Widger.

46, 47, 48. Modern English Poetry.—Appreciation of the art of poetry, and a study of some of the chief English poets, as they illustrate this art.

46. Eight hours a week. Four quarter hours.

First six weeks, 1932:

Second six weeks, 1933:

47. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 39, Miss Daringer.

Second six weeks, 1932:

48. **Nineteenth Century Poetry.**—Eight hours a week. Four quarter hours.

First six weeks, 1933:

Second six weeks:

8:10 and 9:30, Room 26, Mr. Daniels.

GEOGRAPHY

20. **Principles of Human Geography.**—Required in the first year of the two-year curriculum for preparation of teachers for the grades. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 7T, Miss Means.

21. **Climatology.**—This course covers work helpful to teachers of the seventh and eighth grades in the State Course of Study. It includes mathematical geography and a study of the circulation of the atmosphere leading up to an understanding of climate. It forms a foundation for all regional geography. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 16, Miss Weller.

Second six weeks:

8:10 and 2:25, Room 16, Miss Zeller.

30. **Geography of North America.**—Prerequisite: Geography 20 and 21. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 7T, Miss Means.

31. **Geography of South America.**—Prerequisite: Geography 20 and 21. Eight hours a week. Four quarter hours.

Second six weeks:

7:15 and 1:30, Room 16, Miss Zeller.

32. **Geography of Europe.**—Prerequisite: Geography 20 and 21. Eight hours a week. Four quarter hours.

First six weeks, 1932:

36. **Geology.**—Prerequisite: Geography 20. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 16, Miss Weller.

HISTORY AND SOCIAL SCIENCE

I. History

31. *The History of Europe, 1500-1815.*—Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 35, Mr. Thomas.

32. *The History of Europe Since 1815.*—Special emphasis is placed on the political and industrial changes in England, the revolutionary movement of 1848, the unification of Italy and of Germany, the colonial expansion and commercial rivalry of the important states of Europe, and the causes of the great war. Eight hours a week. Four quarter hours.

Second six weeks:

8:10 and 2:25, Room 35, Mr. Seymour.

33. *American Political and Institutional History to 1800.*—Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 9, Miss Ellington.

34. *The Political and Institutional History of the United States, 1800-1865.*—Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 9, Miss Ellington.

Second six weeks:

7:15 and 1:30, Room 35, Mr. Seymour.

35. *The Political and Institutional History of the United States, 1865 to the Present.*—Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 30, Mr. Coleman.

Second six weeks:

8:10 and 2:25, Room 9, Mr. Coleman.

II. Sociology

43. *The Principles of Sociology.*—Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 35, Mr. Thomas.

III. Government

43. *State and Local Government.*—Eight hours a week. Four quarter hours.

Second six weeks:

7:15 and 1:30, Room 9, Mr. Coleman.

44. *The National Government.*—Eight hours a week. Four quarter hours.

First six weeks, 1932:

45. **Modern Governments of Europe and America.**—Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 17, Mr. Coleman.

HOME ECONOMICS

The work of the Home Economics Department is divided into two parts: I, Clothing. II, Foods.

Clothing 30, 31, and 32 are offered in sequence in the first six weeks of the summer quarter in 1930, 1931, 1932. The same is true of Art 30, 31, and 32, which freshmen in the Smith-Hughes Home Economics curriculum are required to take with Clothing 30, 31, 32.

I. Clothing

30. **Textiles.**—Beginning Clothing. Sixteen hours a week. Four quarter hours.

First six weeks:

7:15 and 8:10, with other hours to be arranged.
Room 22P, Miss Braun.

31. **Clothing Economics.**—Problem: A smock. Sixteen hours a week. Four quarter hours.

First six weeks:

9:30 and 10:25, with other hours to be arranged. Room 22P,
Miss Braun.

32. **Garment Making.**—Prerequisite: Clothing 31. Sixteen hours a week. Four quarter hours.

First six weeks, 1932:

33. **Advanced Clothing. Selection and Construction.**—Problem: Silk dresses. Prerequisite: Clothing 30 and 31. Sixteen hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, with other hours to be arranged, Room 22P,
Miss Braun.

34. **Children's Clothing.**—Emphasis is laid on selection and construction with some study of the renovation, care and repair of children's clothing. Prerequisite: Clothing 31. Sixteen hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, with other hours to be arranged, Room 22P,
Miss Braun.

LIBRARY USE

The aim of this course is to teach students to use the library with some degree of skill. Certain high school and college courses require considerable work in the library, including reading and looking up of references and assigned topics. To do this work with a wise expenditure of time and effort, students should know how to use the

card catalogue, magazine indexes, and some reference books. Lessons, required of all students, are given to freshmen. The course offered this summer is accepted for this work.

20. Use of the Library.—Instruction and problems in the use of the catalogue, dictionaries, encyclopedias, Readers' Guide, and other reference books of geography, history, and biography. Two hours a week. One quarter hour.

First six weeks:

10:25, Wednesdays and Fridays, Room 18, Miss Booth.

MANUAL ARTS

20, 21, 22. Practice Teaching in Manual Arts.—See Mr. Ashley.

24a. Primary and Intermediate Grade Handwork.—This course has been worked out to meet the needs of teachers and supervisors of grades in city and rural schools. The typical school room and its equipment are considered. Work in paper folding, paper weaving, cardboard construction, and bookbinding. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours.

First six weeks:

Section I, 8:10, Room P, Mrs. Ashley.

Section II, 10:25, Room 16P, Mrs. Ashley.

Second six weeks:

9:30, Room 16P, Mrs. Ashley.

24b. Primary and Intermediate Grade Handwork.—Reed and raffia, basketry, wood work and clay work. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours.

First six weeks:

Section I, 9:30, Room P, Mrs. Ashley.

Section II, 11:20, Room 16P, Mrs. Ashley.

Second six weeks:

10:25, Room 16 P, Mrs. Ashley.

30. Mechanical Drawing.—Practical working drawings based upon French and Svenson's "Engineering Drawing." This course is of value to men and women teachers in the junior high school or above and of special value to teachers of mathematics and manual arts. Prerequisite to all courses in manual arts except Course 24 and Course 25, but may be taken with Course 33 or Course 46. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

First six weeks:

8:10 and 9:30, Room 16 P, Mr. Ashley.

Second six weeks:

11:20 and four additional hours a week, Room 16P, Mr. Ashley.

31. Mechanical Drawing.—Mechanical perspective, oblique and isometric drawings. Prerequisite: Course 30. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

First six weeks:

8:10 and 9:30, Room 16P, Mr. Ashley.

Second six weeks:

11:20 and four additional hours a week, Room 16P, Mr. Ashley.

32. Mechanical Drawing.—Machine drawing developments and furniture design. Prerequisite: Course 31. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

First six weeks:

8:10 and 9:30, Room 16P, Mr. Ashley.

Second six weeks:

11:20 and four additional hours, Room 16P, Mr. Ashley.

33. Elementary Woodwork.—Prerequisite: Course 30, unless Course 30 is being taken with Course 33. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

First six weeks:

10:25 and 11:20, Room 14P, Mr. Landis.

34. Joinery and Advanced Woodwork.—A study of various types of joints used in furniture construction. Application in type problems. Study of varieties of wood. Lectures, demonstrations, and applications. Prerequisite: Course 33. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

First six weeks:

10:25 and 11:20, Room 14P, Mr. Landis.

35. Bench Metal Work.—Work in wrought iron, mild steel, and sheet metal. Prerequisite: Manual Arts 34. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

First six weeks:

10:25 and 11:20, Room 14P, Mr. Landis.

36 or 37. Furniture and Cabinet Construction.—Use of power machinery. Study of periods and styles of furniture. Applied design. Pieces are designed and one or more made in the shop. Outside reading and reports in class, covering the development and distinguishing characteristics of period furniture. Students pay for material used and are allowed to take the furniture home. These courses are offered each in two parts as follows:

36a (or b), or 37a (or b).—Eight hours a week. Two quarter hours for each half course.

First six weeks:

1:30 and 2:25, Room 12P, Mr. Hughes.

Second six weeks:

10:25 and 11:20, Room 12P, Mr. Hughes.

39a (or b). Household Mechanics.—The purpose of this course is to train teachers for junior high schools in all kinds of household mechanical work. The first half of it, or 39a, consists in the refinishing and repair of worn and broken furniture and simple carpentry and masonry repair. The remainder of the course consists of a study of the installation and repair of plumbing and electrical apparatus. Required of all students in Manual Arts curriculum. A valuable course for home economics students. Eight hours a week. Two quarter hours for each half course.

First six weeks:

1:30 and 2:25, Room 13P, Mr. Hughes.

Second six weeks:

10:25 and 11:20, Room 12P, 13P, Mr. Hughes.

43a (or b). The Elements of Sheet Metal Practice.—The development of practical work for public schools. Eight hours a week. Two quarter hours for each half course.

First six weeks:

10:25 and 11:20, Room 4P, Mr. Hughes.

Second six weeks:

9:30 and 10:25, Room 4P, Mr. Ashley.

48a (or b). Machine Shop.—Eight hours a week. Two quarter hours for each half course.

First six weeks:

1:30 and 2:25, Room 19P, Mr. Ashley.

Second six weeks:

7:30 and 8:10, Room 19P, Mr. Hughes.

49. Architectural Drawing.—Required in four-year Art and Manual Arts curriculum. Prerequisite: Course 32. Eight hours a week. Two quarter hours.

First six weeks:

11:20 and four additional hours, Room 16P, Mr. Ashley.

Second six weeks:

11:20 and four additional hours, Room 16P, Mr. Ashley.

50. Architectural Drawing, Advanced.—Required in four-year Art and Manual Arts curriculum. Prerequisite: Course 49. Eight hours a week. Two quarter hours.

First six weeks:

11:20 and four additional hours, Room 16P, Mr. Ashley.

Second six weeks:

11:20 and four additional hours, Room 16P, Mr. Ashley.

51, 52. Advanced Mechanical Drawing.—Eight hours a week for each course. Two quarter hours for each course.

First six weeks:

11:20 and four additional hours for each course, Room 16P, Mr. Ashley.

Second six weeks:

11:20 and four additional hours, Room 16P, Mr. Ashley.

53a. (or b). Automobile Mechanics. 1. Frame, Springs, Wheels, Transmission.—Eight hours a week for each half course. Two quarter hours for each half course.

First six weeks:

7:15 and 8:10, Room 19P, Mr. Hughes.

Second six weeks:

1:30 and 2:25, Room 19P, Mr. Hughes.

54a (or b). Advanced Machine Shop.—Eight hours a week for each half course. Two quarter hours for each half course.

First six weeks:

1:30 and 2:25, Room 19P, Mr. Ashley.

Second six weeks:

9:30 and 10:25, Room 19P, Mr. Ashley.

57a (or b). **Automobile Mechanics II. Engine, Ignition, Carburetor.**—Eight hours a week for each half course. Two quarter hours for each half course.

First six weeks:

7:15 and 8:10, Room 19P, Mr. Hughes.

Second six weeks:

1:30 and 2:25, Room 19P, Mr. Hughes.

59. **Printing I.**—Hand composition and beginning press work. Sixteen hours a week. Four quarter hours.

First six weeks:

1:30 to 4:05 and one additional hour daily, Room 17P, Mr. Landis.

Second six weeks:

1:30 to 3:15 and two additional hours daily, Room 17P, Mr. Ashley.

60. **Printing II.**—More advanced composition and press work. Sixteen hours a week. Four quarter hours.

First six weeks:

1:30 to 4:05 and one additional hour daily, Room 17P, Mr. Landis.

Second six weeks:

1:30 to 3:15 and two additional hours daily, Room 17P, Mr. Ashley.

61. **Printing III.**—Linotype and cylinder press work. Sixteen hours a week. Four quarter hours.

First six weeks:

1:30 to 4:05 and one additional hour daily, Room 17P, Mr. Landis.

Second six weeks:

1:30 to 3:15 and two additional hours daily, Room 17P, Mr. Ashley.

MATHEMATICS

I. Arithmetic

20. **Arithmetic for the First Six Grades.**—This course includes notation and numeration, the fundamental operations with integers and with common and decimal fractions, factors and multiples, English and metric measures, involution and evolution, and simple problems in the measurement of surfaces and solids. The course covers the topics taken up in the first six grades as outlined in the Illinois State Course of Study. Special attention is given to the teaching of these topics in the lower grades. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 25, Miss Hostetler.
Section II, 8:10 and 2:25, Room 26, Mr. Taylor.

Second six weeks:

8:10 and 2:25, Room 25, Mr. Lantz.

21. **Arithmetic for the Seventh and Eighth Grades.**—The primary object of this course is to prepare for the teaching of arithmetic in

the seventh and eighth grades. The principal topics discussed are percentage and its applications to practical business problems, ratio and proportion, and the mensuration of surfaces and solids. It is the aim of the class room instruction to familiarize the students with methods of instruction that can be readily adapted to the seventh and eighth grades. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 26, Mr. Lantz.

Section II, 8:10 and 2:25, Room 25, Miss Hostetler.

21a. **Arithmetic in the Seventh Grade.**—The work of the seventh grade, as outlined in the Illinois State Course of Study, is taken up in this course. The course gives a review of subject matter and discussion of methods of teaching. Four hours a week. Two quarter hours.

Second six weeks:

7:15, Room 25, Mr. Lantz.

21b. **Arithmetic in the Eighth Grade.**—The work of the eighth grade, as outlined in the Illinois State Course of Study, is taken up in this course. The course gives a review of subject matter and discussion of methods of teaching. Four hours a week. Two quarter hours.

Second six weeks:

1:30, Room 25, Mr. Lantz.

II. College Mathematics

31. **Algebra.**—Review of first year algebra; graphs; functions; determinants of second and third orders applied to simultaneous linear equations; variation, extension of the number system to include complex numbers; theory of quadratic equations; simultaneous quadratics.

This course is offered in two parts: Algebra 31a, First Half of Algebra 31. Four hours a week. Two quarter hours.

First six weeks:

9:30, Room 26, Mr. Taylor.

Algebra 31b, Second Half of Algebra 31. Four hours a week. Two quarter hours.

Second six weeks:

9:30, Room 39, Mr. Railsback.

32. **Algebra.**—Exponents and radicals; logarithms; mathematical induction; binomial theorem; progressions; permutations and combinations; probability. Prerequisite: Algebra 31, or the equivalent.

This course is offered in two parts: Algebra 32a, the First Half of Algebra 32. Four hours a week. Two quarter hours.

First six weeks:

10:25, Room 26, Mr. Taylor.

Algebra 32b. The Second Half of Algebra 32. Four hours a week. Two quarter hours.

Second six weeks:

10:25, Room 39, Mr. Railsback.

MUSIC

I. Public School Music

24a. **Elementary Sight Singing.**—The course is planned to acquaint students with the subject matter of music in the first four grades of

the public schools; to train the ear, and to develop some skill in syllable reading. Four hours a week. Two quarter hours.

First six weeks:

7:15, Third floor east, Miss More.

37a. Primary Music Methods.—The teaching of rote songs. How to help monotones. Development and care of the child voice. Repertoire of children's songs. The work of the first three grades is studied intensively. Prerequisite: Course 24 or the equivalent. Accepted for Music 24b. Four hours a week. Two quarter hours.

First six weeks:

8:10, Third floor east, Miss More.

Note.—Students registered for Music 37a or 38a are required to keep the 11:20 period free for observation of music teaching.

38a. Upper Grade Methods.—Methods of teaching and supervising music in grades four to eight, inclusive. Accepted for Music 24b. Four hours a week. Two quarter hours.

First six weeks:

9:30, Third floor east, Miss More.

Note.—See note under 37a.

II. Instrumental Music

Piano Ensemble Class.—First six weeks.

Piano Lessons 30a (or b), 33a (or b), 36a (or b). **First Year, Second Year, Third Year.**—One quarter hour for Course 30a, 33a, or 36a. Students should arrange the time with Mr. Koch.

PENMANSHIP

20. Penmanship.—Penmanship is offered in four sections.

Section I, Primary Demonstration and Blackboard Writing. Five hours a week. One quarter hour.

First six weeks:

11:20, Room 8T, Miss Kassabaum.

Section II, Palmer Certificate Class. Five hours a week. One quarter hour.

First six weeks:

9:30, Room 8T, Miss Kassabaum.

Section III, Methods. Five hours a week. One quarter hour.

First six weeks:

8:10, Room 8T, Miss Kassabaum.

Section IV, Palmer Certificate Class. Five hours a week. One quarter hour.

First six weeks:

10:25, Room 8T, Miss Kassabaum.

PHYSICAL EDUCATION

Physical Education (Men)

33. Athletic Coaching.—The course includes football, basketball, and baseball. It consists of class room work, lectures, interpretation of the rules, the technique of the game. Notebooks are kept and an examination is given. This course is helpful for those who have charge of athletics and it is not necessary to have athletic experience to take the course, as there is very little practical or outdoor work. A baseball team may be organized. Four hours a week. One quarter hour.

First six weeks:

11:20, Room 18, Mr. Lantz.

READING

24a. Reading.—Designed to improve the student's oral reading. Includes drill exercises and practice in reading before the class. Outside preparation and practice are required. Four hours a week. Two quarter hours.

First six weeks:

Section I, 8:10, Room 30, Miss Orcutt.

Section II, 9:30, Room 30, Miss Orcutt.

24b. Methods.—Planned to give a knowledge of methods and devices used in teaching reading in the elementary schools. Outside preparation, including lesson plans on concrete lesson material, library reading, and other work, is required. Four hours a week. Two quarter hours.

First six weeks:

10:25, Room 23, Miss McKinney.

Second six weeks:

9:30, Room 27, Mr. Widger.

SCIENCE (BIOLOGICAL)

I. Botany

20. College Botany.—A course designed to give the student a knowledge of the fundamental physiological processes concerned in the growth of plants, and of the external and internal structures which are concerned in these processes in leaves, stems, and roots. It includes also the effects of environment factors on these processes and structures. Twelve hours a week. Four quarter hours.

First six weeks:

11:20, 2:25 and 3:15, except 11:20 on Thursdays and 2:25 and 3:15 on Saturdays, Third floor southwest, Mr. Stover and Miss Marks.

Second six weeks:

11:20, 2:25, and 3:15, except 11:20 on Thursdays and 2:25 and 3:15 on Saturdays, Third floor southwest, Miss Marks.

21. College Botany.—A study of the reproduction of flowering plants, the development of fruit and seeds from the parts of the flower, the mechanism of heredity, and a brief study of the great groups of plants. Twelve hours a week. Four quarter hours.

First six weeks:

7:15, 9:30 and 10:25, except Thursdays, Third floor southwest, Mr. Stover.

22. General Local Flora.—The identification of trees in winter and summer condition, of the common fresh water algae, liverworts, mosses and ferns, and of flowering plants as the season advances; and with this a study of structures which is necessary for the recognition of these forms. The course is designed especially for those who expect to teach biological science in secondary schools.

Prerequisite: Botany 20 and 21, or permission of the instructor. Elective. Twelve hours a week. Four quarter hours.

Second six weeks:

7:15, 9:30 and 10:25, except Thursdays, Third floor southwest, Miss Marks.

43 (or 44, or 45) Advanced Botany.—This course is arranged to meet the needs of individual students who have had five quarters, or the equivalent, of botany, and who wish to go on in some special field. The student may choose the field in which he wishes to work, but is required to consult the instructor before registering for this course. Prerequisite: Botany 20, 21, 22, 30 and 32, or their equivalent. Twelve hours a week. Four quarter hours.

Each six weeks:

9:30, 10:25 and 11:20, except Thursdays, Third floor southwest, Mr. Stover.

II. Zoology

20. Animal Biology.—A consideration of fundamental biological laws, based upon animal material. Twelve hours a week. Four quarter hours.

First six weeks:

1:30, 10:25, and 11:20, except Saturdays, Third floor northwest, Mr. Spooner.

Second six weeks:

7:15, 10:25, and 11:20, except Saturdays, Third floor northwest, Mr. Spooner and Mr. Scruggs.

21. Animal Biology.—A continuation of the work of Zoology 20. Prerequisite: Zoology 20 or one year of high school zoology. Twelve hours a week. Four quarter hours.

Second six weeks:

8:10, 2:25, and 3:15, except Saturdays, Third floor northwest, Mr. Spooner.

22. Animal Biology.—A continuation of the work of Zoology 21. Prerequisite: Zoology 20, or one year of high school zoology. Twelve hours a week. Four quarter hours.

First six weeks:

8:10, 2:25 and 3:15, except Saturdays, Third floor northwest, Mr. Spooner and Mr. Scruggs.

43 (or 44, or 45). Advanced Zoology.—This course is arranged to meet the desires and attainments of the individual student. Considerable latitude is given in the choice of a problem, the aim being

to encourage and develop ability to pursue original investigations. Frequent conferences with the instructor are held to discuss methods of approach and results. Prerequisite: Two years of work in zoology or biology. Twelve hours a week. Four quarter hours.

Each six weeks:

9:30, 10:25, and 11:20, except Saturdays, Third floor northwest, Mr. Spooner.

III. Human Physiology

43. Elementary Physiology.—The fundamental principles of animal physiology, including the chemical and physical structure of animate matter; the reactions involved in animals, including the human body, in responding to environmental conditions; the formation, structure, and functions of blood and lymph, and the fundamental structure of the nervous system with particular emphasis on reflex actions. A survey of the conditions determining the activities of living forms. Prerequisite: Junior classification. Elective. Twelve hours a week. Four quarter hours.

First six weeks:

7:15 daily, 9:30 and 10:25 on Tuesdays, Thursdays, and Saturdays, 10:25 on Wednesdays, Third floor northwest, Dr. Seymour and Mr. Spooner.

44. Elementary Physiology.—A study of respiration, foods, digestion, metabolism, and excretion. Prerequisite: Physiology 43. Elective. Twelve hours a week. Four quarter hours.

First six weeks, 1932:

45. Elementary Physiology.—A study of circulation, the organs of internal secretion, the central nervous system, and the special senses. Prerequisite: Physiology 43. Elective. Twelve hours a week. Four quarter hours.

First six weeks:

8:10 daily, 9:30 and 10:25 on Tuesdays, Thursdays, and Saturdays, 9:30 on Wednesdays, Third floor northwest, Dr. Seymour and Mr. Spooner.

Hygiene.—Here an application of the facts learned in the study of human physiology is made so as to show students how the human body may be maintained at its maximum efficiency as a working machine. Both personal and public hygiene, including sanitation, are considered.

20a. Personal Hygiene.—Four hours a week. Two quarter hours.

First six weeks:

Section I, 7:15, Room 38, Dr. Seymour.
Section II, 10:25, Room 38, Dr. Seymour.

Second six weeks:

Section I, 8:10, Room 37, Mr. Crowe.
Section II, 10:25, Room 37, Mr. Crowe.

20b. Public Hygiene.—Four hours a week. Two quarter hours

First six weeks:

Section I, 8:10, Room 38, Mr. Scruggs.
Section II, 11:20, Room 38, Mr. Scruggs.

Second six weeks:

Section I, 7:15, Room 37, Mr. Crowe.
Section II, 9:30, Room 37, Mr. Crowe.

SCIENCE (PHYSICAL)

Physics

30. **Mechanics and Heat.**—Thirteen hours a week. Four quarter hours.

First six weeks, 1933:

31. **Electricity and Magnetism.**—Thirteen hours a week. Four quarter hours.

First six weeks:

7:15 daily, and 10:25 and 11:20, except Thursdays, Room 36, Mr. Railsback.

32. **Light and Sound.**—Thirteen hours a week. Four quarter hours.

Second six weeks:

8:10 daily and 1:30 and 2:25, except Saturdays, Room 36, Mr. Railsback.

43. **Radio.**—A study is made of the principles underlying radio communication. The course includes a study of some typical circuits used in receiving sets and a detailed study of the function of inductance, capacitance, and resistance in electric circuits. Types of vacuum tubes are discussed.

In the laboratory, electrical measurements of parts and assembled units are made. This includes taking characteristic curves of vacuum tubes. Prerequisite: Physics 21 or 31. Thirteen hours a week. Four quarter hours.

First six weeks:

8:10 daily, and 10:25 and 11:20, except Thursdays, Room 36, Mr. Railsback.

THE REGULAR SCHOOL YEAR

The fall quarter of the school year 1931-1932 will begin Saturday, September 12, 1931, at eight o'clock in the morning. A bulletin with full information will be sent to those who are interested.

7:15-8:05	8:10-9:00	9:30-10:20	10:35-11:15	11:20-12:10	1:30-2:20	2:25-3:15	3:15-4:05
I Hygiene 20b	I Hygiene 20a	II Hygiene 20b	II Hygiene 20a				
Mr. Crowe R. 37	R. 37		R. 37		History 34*	History 32*	
History 34*	History 32*						
Mr. Seymour R. 35	R. 35				Government 43*	History 35*	
Government 43*	History 35*	English 21b	English 20b				
Mr. Coleman R. 9	R. 9	Miss Albert R. 24	Miss Albert R. 24				
English 22b		Reading 24b	English 45*				
Mr. Widger R. 27		R. 27	R. 27		English 26*		
English 26*	English 48*	English 25b	English 44a (or b) R. 26				
Miss Albert R. 24	Mr. Daniels R. 26	English 24b	Manual Arts 24b		Arithmetic 21b	Arithmetic 20*	
Arithmetic 21a	Arithmetic 20*	Manual Arts 24a	Manual Arts 24b		Mr. Lantz R. 25		
Mr. Lantz R. 25	R. 25	Mrs. Ashley R. 16P	R. 16P		Manual Arts 59		(with two addi-
		Manual Arts 43a or b; 54a or b	Manual Arts 30, 31, 32, 49, 50, 51, 52		Manual Arts 60		tional hrs. d'ly)
		Mr. Ashley P	R. 16P		Manual Arts 61	R. 17P	
Manual Arts 48a or b		Manual Arts 36 a or b	Manual Arts 37 a or b		Manual Arts 53a or b		
Mr. Hughes	P	Manual Arts 39 a or b			Manual Arts 57a or b	P	
	Art 32* and 45*	Art 24b	Art 24a				
	Mrs. Moore	Third floor east			Education 44*		
Education 44*		Education 48*					
Mr. Keeler R. 17		R. 17			Education 22*	Education 45*	
Education 22*	Education 45*						
Mr. Beu R. 18	R. 18						
Education 24*		Education 24*					
Mr. Allen R. 11					Education 21*	Education 23*	
Education 21*	Education 23*						
Mr. Sheppard R. 10	Mr. Sheppard R. 10						
Botany 22*		Zoology 43*, 44*, 45*				Botany 20*—2, 3, 4, 5	
2, 3, 5, 6		Botany 22*—2, 3, 5, 6	Botany 20*			Mr. Scruggs	
Miss Marks			2, 3, 5, 6			Zoology 21*—2, 3, 4, 5	
Zoology 20*	Zoology 21*		Zoology 20*—2, 3, 4, 5				
2, 3, 4, 5							
Mr. Spooner	2, 3, 4, 5						
	Physics 32*	Algebra 31b	Algebra 32b		Physics 32*—2, 3, 4, 5		
	Mr. 2, 3, 4, 5, 6						
	Railsback R. 36		R. 39		Geography 31*	Geography 21*	
Geography 31*	Geography 21*	Botany 43*, 44*, 45*—2, 3, 5, 6					
Miss Zeller R. 16	R. 16	Miss Marks					

Add four additional hours a week in Manual Arts 30, 31, 32, 49, 50, 51, 52.

English 20b (composition) is open only to those who completed English 20a in the first six weeks, 1931.

English 21b (composition) is open only to those who completed English 21a in the first six weeks, 1931.

For explanatory notes see programme for first six weeks.